Multiplying Factors (I)

Find the product of each pair of factors.

1. $(5x + 5)(6x + 9)$
2. $(3x + 1)(2x - 4)$
3. $(2x + 4)(6x + 8)$
4. $(4x - 5)(6x + 5)$
5. $(8x + 4)(9x + 1)$
6. $(5x - 9)(6x - 8)$
7. $(2x - 7)(2x - 6)$
8. $(9x - 3)(4x - 4)$
9. $(2x - 4)(x - 8)$
10. $(8x + 3)(2x - 7)$
11. $(4x - 3)(3x - 9)$
12. $(3x - 1)(2x + 2)$
13. $(9x + 9)(3x - 5)$
14. $(8x - 6)(6x - 3)$
15. $(4x - 2)(2x + 5)$
16. $(2x + 9)(4x + 7)$
17. $(7x - 3)(2x - 3)$
18. $(8x - 1)(x - 4)$
19. $(9x - 2)(3x + 5)$
20. $(7x + 1)(8x - 5)$

Multiplying Factors (I) Answers

Find the product of each pair of factors.

1. $(5x + 5)(6x + 9)$
   $30x^2 + 75x + 45$

2. $(3x + 1)(2x - 4)$
   $6x^2 - 10x - 4$

3. $(2x + 4)(6x + 8)$
   $12x^2 + 40x + 32$

4. $(4x - 5)(6x + 5)$
   $24x^2 - 10x - 25$

5. $(8x + 4)(9x + 1)$
   $72x^2 + 44x + 4$

6. $(5x - 9)(6x - 8)$
   $30x^2 - 94x + 72$

7. $(2x - 7)(2x - 6)$
   $4x^2 - 26x + 42$

8. $(9x - 3)(4x - 4)$
   $36x^2 - 48x + 12$

9. $(2x - 4)(x - 8)$
   $2x^2 - 20x + 32$

10. $(8x + 3)(2x - 7)$
    $16x^2 - 50x - 21$

11. $(4x - 3)(3x - 9)$
    $12x^2 - 45x + 27$

12. $(3x - 1)(2x + 2)$
    $6x^2 + 4x - 2$

13. $(9x + 9)(3x - 5)$
    $27x^2 - 18x - 45$

14. $(8x - 6)(6x - 3)$
    $48x^2 - 60x + 18$

15. $(4x - 2)(2x + 5)$
    $8x^2 + 16x - 10$

16. $(2x + 9)(4x + 7)$
    $8x^2 + 50x + 63$

17. $(7x - 3)(2x - 3)$
    $14x^2 - 27x + 9$

18. $(8x - 1)(x - 4)$
    $8x^2 - 33x + 4$

19. $(9x - 2)(3x + 5)$
    $27x^2 + 39x - 10$

20. $(7x + 1)(8x - 5)$
    $56x^2 - 27x - 5$